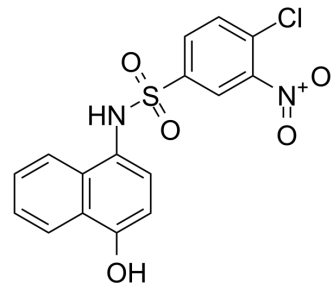


SW155246

Cat. No.:	HY-123346		
CAS No.:	420092-79-1		
Molecular Formula:	C ₁₆ H ₁₁ ClN ₂ O ₅ S		
Molecular Weight:	378.79		
Target:	DNA Methyltransferase		
Pathway:	Epigenetics		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 250 mg/mL (660.00 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.6400 mL	13.1999 mL	26.3999 mL
5 mM	0.5280 mL	2.6400 mL	5.2800 mL
10 mM	0.2640 mL	1.3200 mL	2.6400 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

SW155246 is a DNA methyltransferase (DNMT1) selective inhibitor with IC₅₀s of 1.2 and 38 μM for hDNMT1 and mDNMT3A, respectively. SW155246 can be used for the research of cancer and other diseases^[1].

REFERENCES

- [1]. Jessica A Kilgore, et al. Identification of DNMT1 selective antagonists using a novel scintillation proximity assay. *J Biol Chem.* 2013 Jul 5;288(27):19673-84.
- [2]. José L Medina-Franco, et al. Rationalization of activity cliffs of a sulfonamide inhibitor of DNA methyltransferases with induced-fit docking. *Int J Mol Sci.* 2014 Feb 21;15(2):3253-61.

Caution: Product has not been fully validated for medical applications. For research use only.

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